

HARLAN ANIMAL COLONIES  
HEALTH EVALUATION SUMMARY  
CONTRACT N01-AG-7-2100

Enclosure 2  
August 1, 2007  
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MICE Barrier 218B

ANIMAL FACILITY	STRAIN	NO./SEX	AGE	TESTING LABORATORY/DATES
Location: Prattville, AL Barrier/Building: 218B Ship Date: 5/8/07	BALB/cByJNiaHsd CB6F1/NiaHsd C57BL/6JNiaHsd	1M/1F 1M/1F 3M/0F	12-13 months 14-15 months 13 months	University of Missouri UMRADIL, Columbia, MO Receipt Date: 5/9/07 Report Date: 7/24/07

EVALUATION

NIA mice submitted for this health monitoring were obtained from NIA-NIH aging colonies maintained in barriers by Harlan. All mice examined were considered to be in a good state of health.

SEROLOGY

Agent	Assay	No. Pos./ No. Tested	Comments
<i>M. pulmonis</i>	MFI	0/7	
MHV	MFI	0/7	
Sendai	MFI	0/7	
PVM	MFI	0/7	
Reo 3	MFI	0/7	
TMEV GDVII	MFI	0/7	
Mouse Parvovirus	MFI	0/7	
MVM	MFI	0/7	
Ectromelia	MFI	0/2	
MAD	MFI	0/2	
Polyoma	MFI	0/2	
Rotavirus	MFI	0/2	
LCM	MFI	0/2	
Hantaan	MFI	0/2	
K virus	MFI	0/2	
MCMV	MFI	0/2	
MTV	IFA	0/2	
LDEV	ENZYME	0/2	
<i>E. cuniculi</i>	MFI	0/2	

BACTERIOLOGY

Agent	No. Pos./No. Tested	Comments
<i>Salmonella spp.</i>	0/7	Nasopharynx/cecum cultures.
<i>Pasteurella pneumotropica</i>	0/7	
<i>Pasteurella spp.</i>	0/7	
<i>Bordetella bronchiseptica</i>	0/7	The bacteria isolated from the oropharynx and cecum are opportunistic or normal flora of the mouse.
<i>Pseudomonas aeruginosa</i>	2/7	
<i>Citrobacter rodentium</i>	0/7	
<i>Corynebacterium kutscheri</i>	0/7	
<i>Klebsiella pneumoniae</i>	0/7	
<i>Klebsiella oxytoca</i>	0/7	
<i>Pasteurella multocida</i>	0/7	
<i>Staphylococcus aureus</i>	3/7	
<i>Streptococcus sp. Group B beta</i>	0/7	

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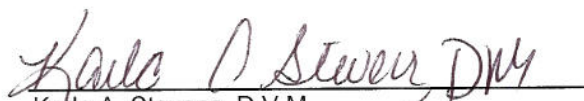
PCR		
Agent	No. Pos./No. Tested	Comments
<i>Mycoplasma pulmonis</i>	0/7	
<i>Helicobacter hepaticus</i>	Positive*	Pooled samples. *Colony previously also tested positive for <i>Helicobacter rodentium</i> .

PARASITOLOGY		
Type and Test	No. Pos./No. Tested	Comments
Ectoparasites Test(s): Direct pelage	0/7	External parasites were not observed in any mice.
Endoparasites Test(s): Direct, Gross, and Microscopic (intestine & bladder)	6/7	Urinary bladder parasites were not observed in any mouse. Commensal nonpathogenic intestinal flagellates including <i>Chilomastix spp.</i> were found in some animals.

PATHOLOGY		
Gross:	None Significant	Overall frequency of lesions in these mice is low.
Histologic:		
Microgranuloma liver	1/7	Lesions are incidental and/or consistent with normal aging process and are not indicative of infection with murine adventitious pathogens.
Lymphoid infiltrate lung	2/7	
Papillary tubular cell adenoma - kidney	1/7	
A few other incidental lesions were also noted.		

AVAILABILITY	
Mice obtained from NIA-NIH aging colonies maintained in one maximum security barrier by Harlan in Prattville, Alabama. The combined census of these colonies, at the time of the referenced monitoring is tabulated below:	
Virgin Male ( 12 - 37 months of age)	1,471
Virgin Female ( 12 - 36 months of age)	634
Total Census:	2,105

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Karla A. Stevens, D.V.M.  
Principal Investigator

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MICE Barrier 217

ANIMAL FACILITY	STRAIN	NO./SEX	AGE	TESTING LABORATORY/DATES
Location: Indianapolis, IN Barrier/Building: 217  Ship Date: 5/8/07	BALB/cJByNiaHsd	2M/1F	12-13 months	University of Missouri UMRADIL, Columbia, MO  Receipt Date: 5/9/07 Report Date: 7/24/07
	B6C3F1/NiaHsd	3M/2F	12-15 months	
	B6D2F1/NiaHsd	2M/1F	18 months	
	CBA/JNiaHsd	2M/3F	12 months	
	CB6F1/NiaHsd	2M/1F	12-15 months	
	CB6F1/C3D2F1	2M/3F	18 months	
	C57BL/6NiaHsd	1M/1F	12-13 months	
	DBA/2JNiaHsd	2M/3F	12-13 months	

EVALUATION

NIA mice submitted for this health monitoring were obtained from NIA-NIH aging colonies maintained in barriers by Harlan. All mice examined were considered to be in a good state of health.

SEROLOGY

Agent	Assay	No. Pos./ No. Tested	Comments
<i>M. pulmonis</i>	MFI	0/31	
MHV	MFI	0/31	
Sendai	MFI	0/31	
PVM	MFI	0/31	
Reo 3	MFI	0/31	
TMEV GDVII	MFI	0/31	
Mouse Parvovirus	MFI	0/31	
MVM	MFI	0/31	
Ectromelia	MFI	0/31	
MAD	MFI	0/31	
Polyoma	MFI	0/31	
Rotavirus	MFI	0/8	
LCM	MFI	0/8	
Hantaan	MFI	0/8	
K Virus	MFI	0/8	
MCMV	MFI	0/8	
MTV	IFA	0/8	
LDEV	ENZYME	0/8	
<i>E. cuniculi</i>	MFI	0/8	

BACTERIOLOGY

Agent	No. Pos/No. Tested	Comments
<i>Salmonella spp.</i>	0/31	Nasopharynx/cecum cultures.  The bacteria isolated from the oropharynx and cecum are opportunistic or normal flora of the mouse.
<i>Pasteurella pneumotropica</i>	0/31	
<i>Pasteurella spp.</i>	0/31	
<i>Bordetella bronchiseptica</i>	0/31	
<i>Pseudomonas aeruginosa</i>	0/31	
<i>Citrobacter rodentium</i>	0/31	
<i>Corynebacterium kutscheri</i>	0/31	
<i>Klebsiella pneumoniae</i>	0/31	
<i>Klebsiella oxytoca</i>	0/31	
<i>Staphylococcus aureus</i>	3/31	
<i>Streptococcus sp. Group B beta</i>	0/31	

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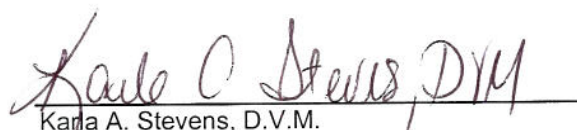
PCR		
Agent	No. Pos/No. Tested	Comments
<i>Mycoplasma pulmonis</i>	0/31	
<i>Helicobacter hepaticus; Helicobacter sp.</i>	0/31	

PARASITOLOGY		
Type and Test	No. Pos./No. Tested	Comments
Ectoparasites Test(s): Direct pelage	0/31	External parasites were not observed in any mice.
Endoparasites Test(s): Direct, Gross, and Microscopic (intestine & bladder)	5/31	Enteric and urinary bladder parasites were not observed in any mouse. A nonpathogenic commensal intestinal flagellate, <i>Chilomastix sp.</i> was found in some animals.

PATHOLOGY		
Gross:	None Significant	Overall frequency of lesions in these mice is low.
Histologic:		
Microgranuloma liver	10/31	Lesions are incidental and/or consistent with normal aging process and are not indicative of infection with murine adventitious pathogens.
Lymphoid infiltrate lung	11/31	
Lymphoid infiltrate kidney	2/31	
Mixed follicular center cell lymphoma - liver, spleen	1/31	
A few other incidental lesions were noted.		

AVAILABILITY	
Mice obtained from NIA-NIH aging colonies maintained in one maximum security barrier by Harlan in Indianapolis, Indiana. The combined census of these colonies, at the time of referenced monitoring is tabulated below:	
Virgin Male ( 12 - 39 months of age)	3,603
Virgin Female ( 12 - 42 months of age)	2,365
Total Census:	5,968

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